6 Budget Plan

TOBACCO INDUSTRY RESEARCH COMMITTEE
350 FIFTH AVENUE NEW YORK 1, N. Y.

48

Probably valuable

Application For Research Grant

Date: November 29, 1954

1. Name of Investigator:
Dr. Arthur I. Siegel

2. Title:
Director

3. Institution & Address:
Applied Psychological Services
5-26 Wilde Ave.
Drexel Hill, Pa.

4. Project or Subject:

The need for the proposed series of investigations into the effects of tobacco on various sensory and motor processes is partially summarized in the recent Tufts College Handbook of Human Engineering Data which states "although tobacco is frequently cited as a possible contributory factor in numerous medical disorders of the sensory processes, the literature is practically devoid of objective studies on the influence of tobacco alone on the sensory mechanisms of normal individuals. Research in this area is greatly needed." (Emphasis ours)

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5. Detailed Plan of Procedure (Use reverse side if additional space is needed):

A series of psychophysical experiments, using standard psychophysical methodology, into the effects of tobacco on various sensory and motor mechanisms in normal subjects is proposed. The initial experimental work would focus on those areas in which at present little or no data are available. By concentrating our efforts in these virgin areas, a maximum pay-off in applied and basic knowledge is foreseen.

Since nicotine is assumed to depress the action of the nervous structures the following avenues of investigation seem fruitful:

1. **An investigation into the effects of nicotine on the stimulus thresholds for pain, cold, warm, and pressure.**

2. **An investigation into the effects of nicotine on the olfactory stimulus thresholds.**

3. **An investigation into the effects of nicotine on the ocular motor response.**

4. **An investigation into the effects of nicotine on auditory thresholds.**

(Continued)

Signature of Authorized Officer of the Institution

Source: https://www.industrydocuments.ucsf.edu/docs/gtpl0000

5. An investigation into the effects of nicotine on weight judgment.

6. An investigation into the effects of nicotine on motor response accuracy.

No detailed procedural plan is included with the present application for research grant since (1) the standard methodology proposed is available in all psychological psychophysical reference works, and (2) the methods have been used over the years and seem to be universally accepted. The investigator has taught these methods at both New York University and Queens College and is competent to perform definitive experiments using these methods.

It is not anticipated that all six of the above investigations can be undertaken simultaneously. The budget that follows is based on one year's work, during which two to three of the above experiments can be completed. Prior to the second year the completed research can be reviewed and a decision reached in regard to continuation of the project.

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Source: https://www.industrydocuments.ucsf.edu/docs/gtpl0000

6. Budget Plan: TOBACCO INDUSTRY
350 FIFTH AVENUE

Application for Research Grant

Salaries	$10,000.00
Expendable Supplies	200.00
Permanent Equipment	480.00
Overhead	1,000.00
Other	500.00
Total	$12,180.00

Date November

7. Anticipated Duration of Work:
Two years

8. Facilities and Staff Available:

Applied Psychological Services has on its permanent professional staff men possessing all the abilities needed to carry the above investigations through from experimental design to final statistical treatment of data and report of results in the professional literature. Appropriate space possessing all the requisites for controlled experimental work will be available after 1 January, 1955.

9. Additional Requirements:
None

10. Additional Information (Including relation of work to other projects and other sources of supply):

The proposed investigator is currently involved with projects involving the physiological and psychological effects of various newly developed pharmaceutical preparations. In addition he has published in the professional theoretical and experimental literature in the areas of sensory dex evolvement and discrimination. Three of these articles are appended in order that a better appraisal of his work can be made.

Signature
Director of Project

(Continued)

Business Officer of the Institution

Source: https://www.industrydocuments.ucsf.edu/docs/gtpl0000